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Attorney's Docket No.: B01102/70000 TJO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrey Zarur Jury et al.
Serial No.: 09/707,852
Confirmation No.: 9828
Filed: November 7, 2000
For: MICROREACTOR
Examiner: Not yet assigned
Art Unit: 1744

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 17 day of May, 2002.

Signature

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith are the following documents:

- [X] Preliminary Amendment
[X] Return Postcard

The fee has been calculated below:

CLAIMS AS AMENDED

	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Additional Fee
TOTAL CLAIMS	101 -	48 =	53 X	\$ 18	= \$954.00
INDEP. CLAIMS	4 -	3 =	1 X	\$ 84	= \$84.00
TOTAL OF ABOVE CALCULATIONS					= \$1038.00
Reduction by 50% for filing by small entity (Note 37 CFR 1.9, 1.27, 1.28).					= \$519.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					= \$519.00

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If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$519.00 is enclosed for the fee. If this fee is insufficient or if extensions of time are necessary, please charge the balance to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,



Timothy J. Oyer, Reg. No. 36,628
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600 Atlantic Avenue
Boston, Massachusetts 02210
Tel. (617) 720-3500
Fax (617) 720-2441

Docket No.: B01102/70000 TJO

Date: May 17, 2002

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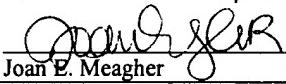
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6/11/02

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Joan E. Meagher

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified application as follows.

In the claims

Please add the following new claims.

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49. (New) A reactor as in claim 1, wherein the chemical or biological reaction occurs within at least one cell.

50. (New) A reactor as in claim 1, wherein the chemical or biological reaction comprises producing a protein.

51. (New) A reactor as in claim 1, wherein the chemical or biological reaction includes fermentation.

52. (New) A reactor as in claim 1, further comprising an inlet for adding at least one cell to the chamber.

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02 FC:202

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